

REPORTS ON THE FLORA OF THE BOSTON
DISTRICT,—XX.

URTICACEAE.

BOEHMERIA.

B. cylindrica (L.) Sw. Wet places, common, but not reported from the southwest.

CANNABIS.

C. SATIVA L. Waste places; occasional, especially around cities.

CELTIS.

C. occidentalis L. Woods and pastures, also on seashore; along the coast from Plum Island to Duxbury, also at Lowell, Lexington, Concord, Lincoln, South Sudbury, and Waltham.

HUMULUS.

H. JAPONICUS Sieb. & Zucc. A Japanese species, escaped in waste places at Salem and Peabody (*J. H. Sears*, Oct. 5, 1904), Weston (according to *M. L. Fernald*), Roxbury (*G. G. Kennedy*, Oct. 9, 1907), and at Scituate (*Edward W. Cushman*).

H. LUPULUS L. Roadsides and waste places, evidently introduced in our territory. Reported from many stations.

LAPORTEA.

L. canadensis (L.) Gaud. Rich woods, rare; Groveland, Boxford, Belmont, Brookline, Natick, Cohasset.

MACLURA.

M. POMIFERA (Raf.) Schneider. Escaped on Page St., Danvers (*G. G. Kennedy*, Aug. 20, 1907). Introduced from the west.

MORUS.

M. ALBA L. Persistent and escaped; reported at twelve scattered stations.

M. RUBRA L. Ipswich, an old tree (*J. Robinson*, Aug. 8, 1876); Cambridge, dump near University Press (*A. S. Pease*, Oct. 12, 1908); occasional roadside escape, Southborough (*A. J. Eames*, July 31, 1910). Native in western New England, also west and south.

PARIETARIA.

P. pennsylvanica Muhl. Swampscott (*J. H. Sears*, July 25, 1885); waste ground, Percival St., Dorchester (*J. R. Churchill*, Sept. 22, 29, 1901); Concord (*Minot Pratt*) according to Dame & Collins, Fl. Middlesex Co. 92, 1888; Hingham according to Bouvé, Botany of Hingham, in History of Hingham, i. pt. 1, 124, 1893.

PILEA.

P. pumila (L.) Gray. Shady places in rich soil, frequent. No reports from southern towns.

ULMUS.

U. americana L. Moist soil, woods, fields and roadsides; common throughout.

U. CAMPESTRIS L. Established in roadside thicket, Danvers (*R. B. Mackintosh*, December, 1903); Medford (*L. L. Dame*, —, 1887; *C. H. Morss*, May 27, 1899); Seaver St., W. Roxbury (*C. W. Swan*, May 29, June 9, 1883); roadside escape, Canton (*G. G. Kennedy*, —, 1891).

U. fulva Michx. Rocky woods, rare; Georgetown, Boxford, Wenham, Bedford, Concord, Brookline, Dorchester. Probably introduced at last station.

U. SCABRA Miller. A small selfsown tree, now extinct, Cambridge (*W. Deane*, June 29, 1895); Dedham (*G. G. Kennedy*, May 24, 1891); roadside, Milton (*G. G. Kennedy*, June 5, 1891). This is the Scotch or wych elm, which ranges from Europe to Japan.

URTICA.

U. DIOICA L. Waste places, rare; Boston, Roxbury, Dorchester, Concord, Watertown, Framingham; Hingham, according to Bouvé, Botany of Hingham, in History of Hingham, i. pt. 1, 124, 1893.

U. gracilis Ait. Moist ground in waste places; common.

U. Lyallii Wats. Moist ground in waste places; numerous reports from central and northern portions of the district.

U. URENS L. Waste ground, infrequent, generally near the coast. Reported from Gloucester, West Gloucester, Andover, Malden, Revere, Boston, Sherborn.

SANTALACEAE.

COMANDRA.

C. umbellata (L.) Nutt. Dry woods and open ground, very common throughout.

LORANTHACEAE.

ARCEUTHOBIMUM.

A. pusillum Peck. Parasitic on *Picea mariana*; at a pond near Skug River, Andover (*A. S. Pease*, Oct. 25, 1902); Wilmington (*A. S. Pease*, Oct. 18, 1902); Acton (*J. G. Jack*, May 10, 1898).

ARISTOLOCHIACEAE.

ASARUM.

A. canadense L. Rich woods and roadsides, infrequent. Probably introduced at most of its stations.

POLYGONACEAE.

EMEX.

E. SPINOSA Campd. Charlestown (*C. E. Perkins*, 1882, specimen in herb. N. E. Botanical Club). Native of Mediterranean region, Cape of Good Hope and the Antilles.

FAGOPYRUM.

F. ESCULENTUM Moench. Persistent after cultivation and escaping, frequent.

F. TATARICUM (L.) Gaertn. In similar situations; Nahant, Somerville, Cambridge, Dedham, Sherborn.

POLYGONELLA.

P. articulata (L.) Meisn. Dry sand and gravel, very common throughout.

POLYGONUM.

P. acre HBK. Wet soil, very common throughout.

P. acre HBK., var. **leptostachyum** Meisn. Well distributed throughout.

P. amphibium L. Ponds and shallow water. Apparently rather frequent in Essex County, also at Glacialis Pond, Cambridge (*G. G. Kennedy*, June 26, 1863); Framingham (*A. J. Eames*, Sept. 20, 1908).

P. amphibium L., f. **Hartwrightii** (Gray) Blake. (See RHODORA xv. 164, 1913.) Muddy shores, Chelmsford, Cambridge, W. Roxbury, Woburn, Sherborn.

P. amphibium L., f. **terrestre** (Leers) Blake. (See RHODORA xv. 164, 1913.) On Newburyport turnpike, Ipswich (*John A. Lowell*, no date); on shore near type in W. P. Upham's pond, Peabody (*J. Robinson*, July 30, 1874); Fresh Pond, Cambridge (*W. G. Farlow*, September, 1878).

P. ARENARIUM Waldst. & Kit. Vacant land, Back Bay, Boston (*W. P. Rich*, July 18, 1906); South Boston flats (*W. P. Rich*, July, 1899). See RHODORA x. 152, 1908. Native of southern Europe, extensively used in California for rockeries and bouquets.

P. arifolium L. Meadows, ditches and low woods; common throughout.

P. aviculare L. Dooryards, sidewalks and waste places; very common throughout.

P. aviculare L., var. **angustifolium** Meisn. Gravelly soil, Back Bay Fens (*A. S. Pease*, Oct. 9, 1906); waste ground, Dorchester (*J. R. Churchill*, Oct. 20, 1894).

P. aviculare L., var. **littorale** (Link) Koch. Edge of salt marshes; Revere, Chelsea, South Boston, Scituate and probably elsewhere on the coast.

P. aviculare L., var. **vegetum** Ledeb. Oak Island, Revere (*H. A. Young*, Aug. 3, 1882; *G. G. Kennedy*, Aug. 6, 1894); Boston (*C. E. Perkins*, June 12, 1879); chicken-yard, Sherborn (*M. L. Loomis*, July 15, 1912, July 25, 1913).

P. BELLARDI All. S. Boston (*E. & C. E. Faxon*, July 3, 1879). Adventive from western Asia or eastern Europe.

P. BISTORTA L. Garden escape, Boxford (*Rev. W. P. Alcott*, June 13, 1890); weed in garden, Malden (*W. H. Manning*, —, 1883; *Mrs. N. M. Hunnewell*, May 31, 1886). A boreal species, native of Eurasia and western North America.

P. Carey Olney. Swamps and moist places, frequent. No reports from Plymouth County.

P. cilinode Michx. Dry ledges and clearings; occasional, especially on Cape Ann.

P. CONVOLVULUS L. Gardens and waste places; common.

P. CUSPIDATUM Sieb. & Zucc. Waste places; recently introduced, and especially frequent in Boston and immediate vicinity; also at Danvers, Wakefield, and Lexington.

P. dumetorum L. Rich soil; reported from only eight stations, but probably much more common than this would indicate.

P. dumetorum L., f. **cristatum** (Engelm. & Gray) Robinson. Blue Hills, W. Quincy, common (*J. R. Churchill*, Aug. 29, 1891).

P. erectum L. Fields and waste places; occasional in central and northern towns.

P. exsertum Small. Brackish meadows and salt marshes; Ipswich, Cambridge, Boston, Brighton.

P. glaucum Nutt. (See RHODORA xv. 68–73, 1913.) Revere (*C. E. Faxon*, no date; the specimen is in the Gray Herbarium). The specimens quoted by John Robinson, Fl. Essex Co. 92, 1880 as *P. maritimum* L. although some are immature, seem to be *P. prolificum* (Small) Robinson.

P. Hydropiper L. Moist soil, very common throughout.

P. hydropiperoides Michx. Brooks and swamps; common throughout.

P. hydropiperoides Michx., var. **strigosum** Small. Wayland, Wellesley, Dedham, Milton, Canton.

P. lapathifolium L. Fields, gardens and waste places, common.

P. lapathifolium L., var. **incanum** (Willd.) Koch. Stony and gravelly shores and wet places; Spot Pond, Stoneham; Winter Pond and North Reservoir, Winchester; dump, Boston; flats, South Boston; low cultivated ground, Sherborn.

Specimens from all these places have been carefully examined. They have the small achenes of *P. lapathifolium* L. and should be referred to the above variety rather than as a variety to *P. tomentosum* Schrank.

P. lapathifolium L., var. **nodosum** (Pers.) Weinmann. Cultivated ground, Sherborn (*M. L. Loomis*, Aug. 2, 1910 et seq.).

P. Muhlenbergii (Meisn.) Wats. Muddy places and shallow water, occasional.

P. ORIENTALE L. Garden escape; occasional.

P. pennsylvanicum L. Moist soil, common throughout.

P. PERSICARIA L. Waste places and gardens, very common throughout.

P. prolificum (Small) Robinson. Salt marshes and beaches; common along the coast.

P. ramosissimum Michx. Salt marshes, Watertown (*F. S. Collins*, July 28, 1886); waif in dry sand by railway, Belmont (*C. H. Knowlton*, Aug. 26, 1911).

P. ramosissimum Michx., f. **atlanticum** Robinson. Medford, Cambridge, Watertown, Dorchester, Scituate. A peculiar form from Oak Island, Revere, somewhat resembling *P. erectum* probably belongs here.

P. RURIVAGUM Jord. Watertown (*C. E. Perkins*, Aug. 25, 1881). An Old World species.

P. sagittatum L. Low grounds, very common and abundant throughout.

P. scandens L. Swamps and wet thickets, common.

P. tenue Michx. Dry rocky and sandy places, frequent.

P. virginianum L. Moist shady places; Lexington; Beaver Brook Reservation, Belmont; Stony Brook Reservation in W. Roxbury and Hyde Park.

RHEUM.

R. RHAPONTICUM L. Open field, Beaver Brook Reservation, Belmont (*W. Deane*, Apr. 25, 1896). Frequently persistent after cultivation, but seldom collected. Originally from southern Siberia.

RUMEX.

R. ACETOSA L. Roadsides, Georgetown (*J. H. Sears*, June 12, 1905); Medfield (*K. M. Wiegand*, June 23, 1909).

R. ACETOSELLA L. Dry fields, especially in acid soil; very common and abundant throughout. Noticed near Salem in 1628 by Francis Higginson.

R. ALTISSIMUS Wood. Near Audubon Road, Boston (*C. W. Swan*, Aug. 25, 1899); vacant lot, Fenway, Boston (*C. H. Knowlton*, June 25, 1908). Adventive from the West.

R. Britannica L. Swamps and marshes, frequent throughout.

R. CRISPUS L. Fields and waste places; a common weed throughout.

R. hastatulus Baldw. Salisbury beach (*A. A. Eaton*, Aug. 31, 1912, specimen in Gray Herb.).

R. maritimus L., var. **fueginus** (Phil.) Dusén. (See *RHODORA* xvii. 73–83, 1915.) Charlestown (*C. E. Perkins*, July or August, 1881); South Boston flats (*C. E. Perkins*, July 10, 1879).

R. mexicanus Meisn. Low waste ground near Cottage Farm, Brighton (*F. F. Forbes*, June 23, 1912).

R. OBTUSIFOLIUS L. Fields and waste places, common throughout.

R. pallidus Bigel. Sea beaches and salt marshes, frequent along the coast.

R. PATIENTIA L. Moist thickets and waste places; Andover, Manchester, Wakefield, Weston, Wellesley, Framingham, Sherborn, Hingham.

R. persicarioides L. Sandy Cove, Bayview, Gloucester (*W. P. Rich & E. F. Williams*, Aug. 15, 1897 and *M. L. Fernald, F. W. Hunnewell & B. Long*, September 11, 1913).

R. VERTICILLATUS L. Cohasset (*Miss Lincoln*, no date; specimen in herb. Boston Soc. Nat. Hist.). Adventive from further west.

[*Chorizanthe pungens* Benth. N. Chelmsford, wool-waste (*Rev. W. P. Alcott*; specimen in herb. of), adventive from California, according to Dame & Collins, Fl. Middlesex Co. 88, 1888. Mr. Alcott seems to have been a keen observer, but the committee has been unable to locate his herbarium.]

CHENOPODIACEAE.

ATRIPLEX.

A. arenaria Nutt. Edges of salt marshes and seashore; Salisbury, Plum Island, Beverly, Lynn, and in nearly every coastal town or city from Cambridge to Duxbury.

["*A. bracteosa* Wats. N. Chelmsford, wool-waste (Rev. W. P. Alcott). Adv. from Cal.", according to Dame & Collins, Fl. Middlesex Co. 84, 1888.]

A. patula L. Salt marshes and waste places near the coast, rather common.

A. patula L., var. **hastata** (L.) Gray. Common and abundant, with the typical form.

A. patula L., var. **littoralis** (L.) Gray. Frequent, with the typical form.

A. ROSEA L. South Boston flats (*C. E. Perkins*, Aug. 9, 1879; Sept. 5, 1881; specimens in herb. N. E. Botanical Club).

BASSIA.

B. HIRSUTA (L.) Aschers. Made land near sea, South Boston (*C. H. Knowlton*, Sept. 12, 1908 et seq.). A large area is fully occupied by this saline species. (See RHODORA xi. 120, 1909.) Also on wool-waste at Westford (*Miss E. F. Fletcher*, October, 1910).

CHENOPODIUM.

C. ALBUM L. Common weed in waste places and gardens everywhere.

C. ALBUM L., var. **VIRIDE** (L.) Moq. Frequent, with the typical form.

C. AMBROSIODES L. Waste places; very abundant around cities, frequent elsewhere.

C. AMBROSIODES L., var. **ANTHELMINTICUM** (L.) Gray. Occasional in waste places.

C. BONUS-HENRICUS L. Roadside next Botanical Garden, Cambridge, no date; Back Bay, Boston (*Miss F. C. Prince*, no date).

C. BOSCIANUM Moq. Vacant lot, Back Bay, Boston (*W. P.*

Rich, Aug. 27, 1900; specimen in herb. W. P. Rich). Adventive from west or south.

C. BOTRYS L. Waste places and gardens, frequent.

C. CAPITATUM (L.) Aschers. Waste places rare; Salem, Lowell, Sherborn, Hingham. Adventive from further west.

C. GLAUCUM L. Gardens and waste places; frequent near Boston, occasional elsewhere.

C. GRAVEOLENS Lag. & Rodr. Turnip patch, dressed with wool-waste, Chelmsford (*C. W. Swan*, Sept. 20, 1885; specimen in herb. Yale University and herb. N. E. Botanical Club). A native of the American tropics from Mexico to Bolivia; also in tropical Africa and Arabia.

C. hybridum L. Dry open woods (its original habitat) and waste places, common throughout.

C. leptophyllum Nutt. Sand dunes, beaches and borders of salt marshes; Plum Island, Revere, Dorchester and perhaps elsewhere; also adventive at Sherborn (*M. L. Loomis*, Aug. 3, 1911; July 23, 1912).

C. MULTIFIDUM L. South Boston flats (*C. E. Perkins*, 1881; specimen in herb. N. E. Botanical Club). Native of South America.

C. MURALE L. Waste land; Newburyport, Charlestown, Roxbury, Dorchester; Tewksbury and Framingham, according to Dame & Collins, Fl. Middlesex Co. 83, 1888.

[*C. polyspermum* L. Framingham (*Rev. J. H. Temple*), according to Dame & Collins, Fl. Middlesex Co., 83, 1888.]

C. rubrum L. Salt marshes; Rockport, Gloucester, Revere, Medford, Quincy. “ ‘Near the mouth of Saugus river’ (Dr. Chas. Pickering) ‘Annisquam’ (Mrs. Downs).”, according to Robinson, Fl. Essex Co. 90, 1880.

C. URBICUM L. Waste places, occasional. Collected on Boston Common by E. Tuckerman, Jr., in July, 1843.

C. VIRGATUM Thunb. Bond St., Cambridge (*Roger Warner*, June 28, 1885; specimen in herb. W. Deane). Native of Japan.

KOCHIA.

K. SCOPARIA (L.) Schrad. Roadside in old town and abundant in gardens at Marblehead (*W. Deane*, Aug. 30, 1911); dump on vacant lot, Fenway, Boston (*C. H. Knowlton*, Aug. 6, 1911).

SALICORNIA.

S. ambigua Michx. Salt marshes and wet sea-beaches. Rare on North shore; Annisquam, Gloucester (*J. H. Sears*, 1892); Lynn (*J. Robinson*, Sept. 14, 1875); Revere (*C. H. Knowlton*, Aug. 20, 1908). "At Gloucester, Mass. Pickering. 1825." William Oakes in Hovey's Magazine xiii. 219, 1847. Frequent from Hingham to Plymouth.

S. europaea L. Salt marshes, common throughout.

S. europaea L., var. **pachystachya** (Koch) Fernald. Nahant (*K. M. Wiegand*, Oct. 2, 1908; specimen in herb. Wellesley College).

S. mucronata Bigel. Salt marshes, frequent.

SALSOLA.

S. Kali L. Sea-beaches, occasional.

S. Kali L., var. **caroliniana** (Walt.) Nutt. More abundant than the typical form.

S. Kali L., var. **TENUIFOLIA** G. F. W. Mey. Gardens and waste places; occasional, but apparently not spreading.

SPINACIA.

S. OLERACEA L. Rubbish heap, Winchester (*M. L. Fernald*, May 26, 1907).

SUAEDA.

S. linearis (Ell.) Moq. Salt marshes, common throughout.

S. maritima (L.) Dumort. Salt marshes, frequent throughout.

S. Richii Fernald. Prostrate in sand below high tide, and in salt marshes; Plum Island (*E. F. Williams*, Aug. 4, 1899); Ipswich (*J. H. Sears*, Aug. 24, 1886; September, 1887); Bass Rocks, Gloucester (*E. F. Williams*, Aug. 14, 1898).

AMARANTHACEAE.

ACNIDA.

A. cannabina L. Edges of clayey tidal estuaries, from Newburyport to Dorchester; not reported on the South Shore, probably because the shores are sandy.

A. TAMARISCINA (Nutt.) Wood. Introduced in waste, Goulding's Mill, Malden (*F. S. Collins*, Sept. 25, 1887; specimen in herb. Gray). Adventive from the west.

A. tuberculata Moq. Roadside, Medford (*F. S. Collins*, August, 1887; in Dame & Collins, Fl. Middlesex Co. 86, 1888 as *A. rhysocarpa* Moq.); along the river, Concord (*E. F. Williams*, Sept. 17, 1879); abandoned chicken-yard, Sherborn (*M. L. Loomis*, Oct. 18, 1913).

AMARANTHUS.

A. BLITOIDES Wats. Waste sandy ground, frequent. Adventive from the west.

A. CAUDATUS L. Waste places; W. Chelmsford, Lynn, Wakefield, Woburn, Cambridge. An Old World species, spreading from the American tropics.

[Rev. Manasseh Cutler, writing from Ipswich in 1784, reported the Bloody Amaranth or Love Lies Bleeding as growing "amongst rubbish" (Mem. Am. Acad. i. 490, 1785). Robinson's Flora of Essex Co., 91, 1880, identifies Cutler's plant with the above.]

A. CRUENTUS L. Gardens and waste places; Medford (*Wm. Boott*, 1863-4); Cambridge (*A. Gray*, 1876); S. Boston (*E. F. Williams*, Sept. 18, 1898). An Old World species.

A. GRACILIS Desf. S. Boston (*E. & C. E. Faxon*, 1878; specimen in herb. N. E. Botanical Club). An Old World species.

A. graecizans L. Waste places and gardens, common.

A. HYBRIDUS L. Waste and cultivated ground, common.

A. HYBRIDUS L., f. *HYPOCHONDRIACUS* (L.) Robinson. Rare weed in gardens, Framingham (*A. J. Eames*, Sept. 13, 1914; Concord, persistent for four years on a dump (*A. W. Hosmer*, RHODORA i. 224, 1899).

A. PALMERI Wats. Cotton mill waste, Goulding's Mill, Malden (*F. S. Collins*, Sept. 25, 1887 et seq.); S. Lawrence (*A. S. Pease*, Sept. 23, 1902). Adventive from the west.

A. PANICULATUS L. Waste places, infrequent.

A. POWELLII Wats. Weed in cultivated ground, Tewksbury (*E. F. Williams & W. P. Rich*, Aug. 12, 1900); Weston, roadside (*E. F. Williams*, Sept. 5, 1897). Fugitive from western United States.

A. RETROFLEXUS L. Cultivated ground and waste places, common throughout.

A. SPINOSUS L. Waste places; Lowell, Lynn, Malden, Boston, South Boston.

A. VIRIDIS L. Goulding's Mill, Malden (*F. S. Collins*, Aug. 30, 1887); dump, South Boston (*E. & C. E. Faxon*, 1878).

GOMPHRENA.

G. GLOBOSA L. Dump, Boston (*C. W. Swan*, Sept. 14, 1886; specimen in herb. Yale University).

PHYTOLACCACEAE.

PHYTOLACCA.

P. americana L. (L. Sp. ed. 1. *P. decandra* L. Sp. ed. 2.) Dry pastures, open woods and roadsides; common throughout.

C. H. KNOWLTON	} Committee on
WALTER DEANE	

AN ALBINO *VIOLA* *ROSTRATA*.—In a large collection of plants from northern New York, Mrs. Orra Parker Phelps includes a beautiful white-flowered form of the ordinarily lilac- and violet-flowered *Viola rostrata*. The albino which formed a colony of more than one hundred plants is quite as striking in its departure from the normal form of the species as *V. cucullata*, forma *albiflora* Britton, and *V. pedata*, forma *alba* Britton. It may be called

VIOLA *ROSTRATA* Pursh, forma **Phelpsiae**, n. f., corollis albidis.—NEW YORK: beech woods, Pierrepont, May 20, 1914, *Orra Parker Phelps*, no. 699 (TYPE in Gray Herb.).—M. L. FERNALD.

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